

## Research Expenditure Report

### ALL FUND GROUPS

Unit	FY 2022				
	Year-to-Date as of October 31, 2021				
	Federal	Institutional	Private	State	Grand Total
Division of Health Affairs	\$ 672,284	\$ 1,021,962	\$ 862,735	\$ 755,175	\$ 3,312,156
Finance & Planning		\$ (224,706)	\$ 2,547		\$ (222,159)
Provost - Academic Affairs	\$ 752,117	\$ 4,102,475	\$ 82,795	\$ 58,955	\$ 4,996,341
Research Grad Studies New Pgms	\$ 200,347	\$ 288,751	\$ 1,334	\$ 58,829	\$ 549,261
Strategic Enrollment & Student Affairs		\$ 2,260			\$ 2,260
Student Success		\$ 6,936			\$ 6,936
<b>Grand Total</b>	<b>\$ 1,624,747</b>	<b>\$ 5,197,678</b>	<b>\$ 949,411</b>	<b>\$ 872,959</b>	<b>\$ 8,644,795</b>

\*Credit Balance due to GASB 87 implementation.

FY2021	FY2020	FY2019
As of October 31, 2020	As of October 31, 2019	As of October 31, 2018
\$ 3,408,467	\$ 3,026,194	\$ 1,923,840
\$ 5,014	\$ 10,993	\$ 7,920
\$ 4,305,842	\$ 4,443,229	\$ 4,962,365
\$ 1,031,374	\$ 563,617	\$ 380,064
\$ 892	\$ 1,487	\$ 1,473
\$ 5,874	\$ 5,964	\$ 5,611
<b>\$ 8,757,462</b>	<b>\$ 8,051,484</b>	<b>\$ 7,281,274</b>

### RESTRICTED

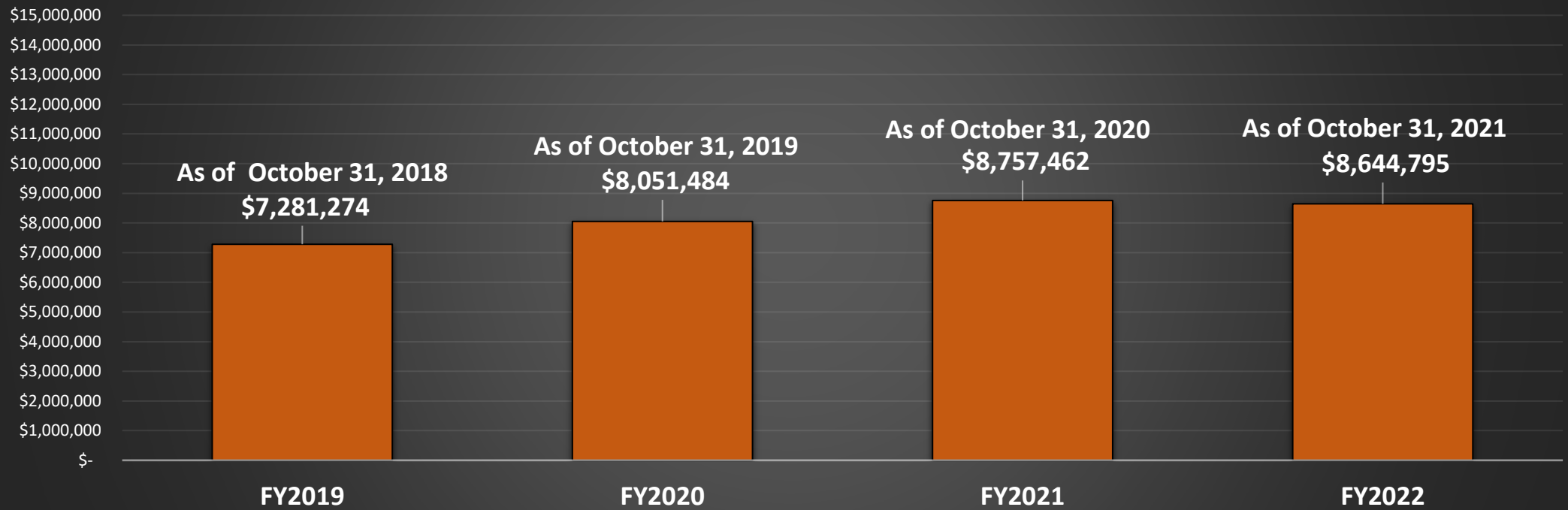
Unit	FY 2022				
	Year-to-Date as of October 31, 2021				
	Federal	Institutional	Private	State	Grand Total
Division of Health Affairs	\$ 476,118		\$ 787,702	\$ 88,649	\$ 1,352,469
Finance & Planning			\$ 2,547		\$ 2,547
Provost - Academic Affairs	\$ 554,180		\$ 72,184	\$ 52,350	\$ 678,715
Research Grad Studies New Pgms	\$ 169,442		\$ 1,334	\$ 3,550	\$ 174,326
<b>Grand Total</b>	<b>\$ 1,199,740</b>	<b>-</b>	<b>\$ 863,768</b>	<b>\$ 144,550</b>	<b>\$ 2,208,058</b>

FY2021	FY2020	FY2019
As of October 31, 2020	As of October 31, 2019	As of October 31, 2018
\$ 1,318,040	\$ 1,093,636	\$ 724,713
\$ 85	\$ 9,481	
\$ 562,027	\$ 714,276	\$ 1,003,827
\$ 729,824	\$ 347,342	\$ 171,462
<b>\$ 2,609,976</b>	<b>\$ 2,164,735</b>	<b>\$ 1,900,002</b>

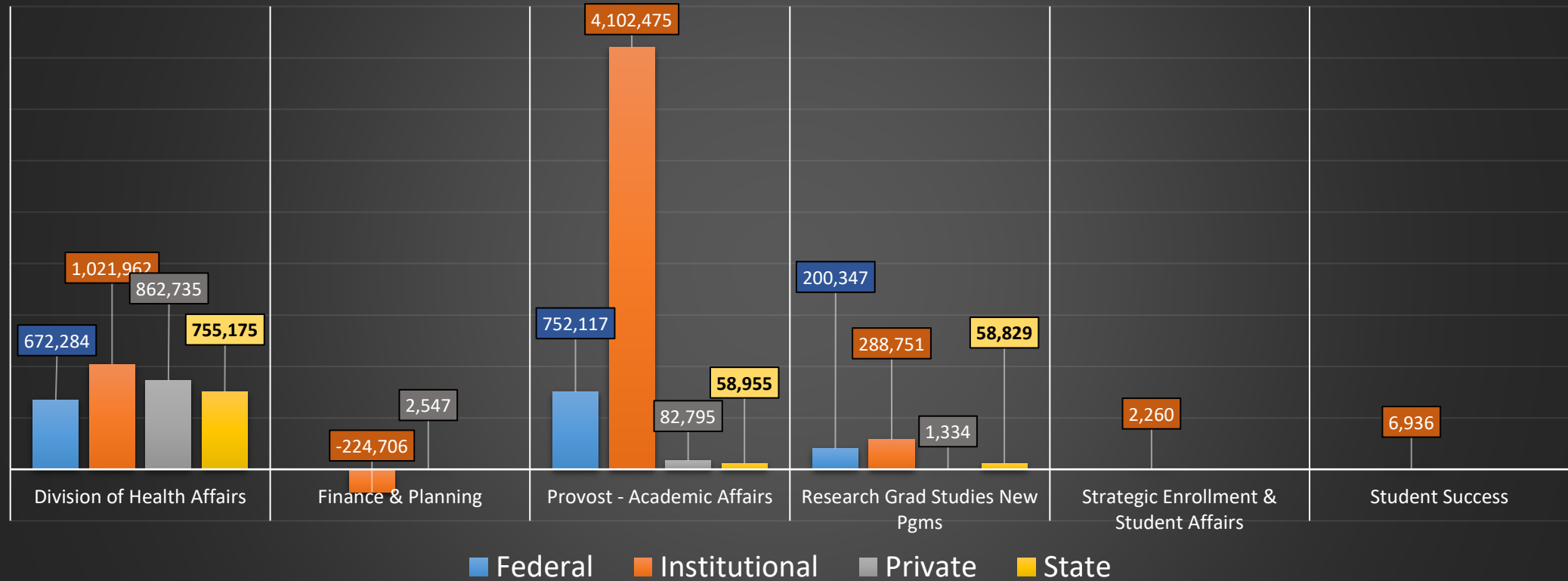
**Note:**

Indirect Costs and Pass-through expenditures have been excluded from the Research Expenditures Report. Restricted research should not include indirect costs and pass-through expenditures in order to match the Sources and Uses report which follows the Texas Higher Education Coordinating Board's Standards and Accounting Methods for Reporting Restricted Research Expenditures.

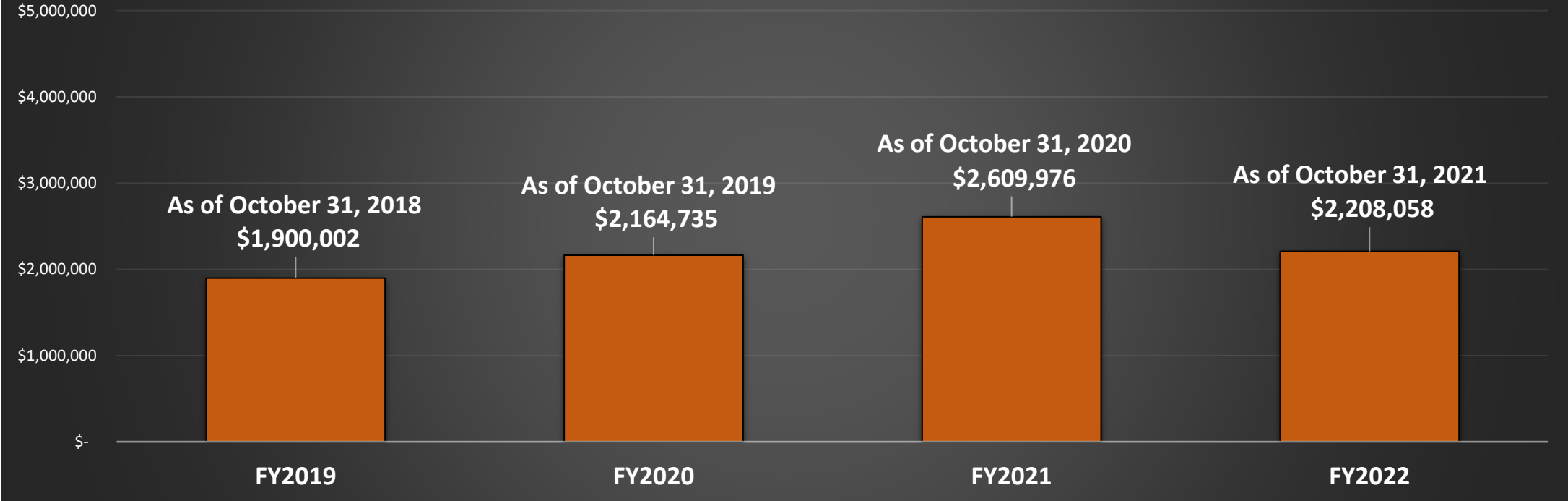
## Research Expenditures - All Fund Groups - By Fiscal Year



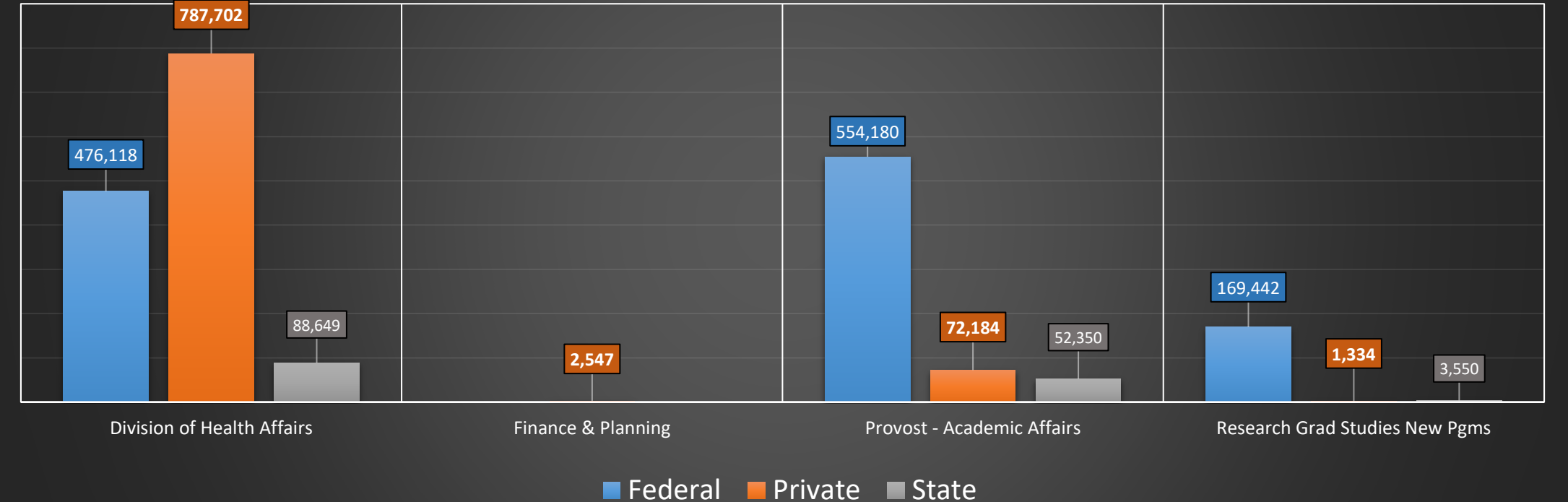
## Research Expenditures - All Fund Groups - By Division



### Research Expenditures - **Restricted** - By Fiscal Year



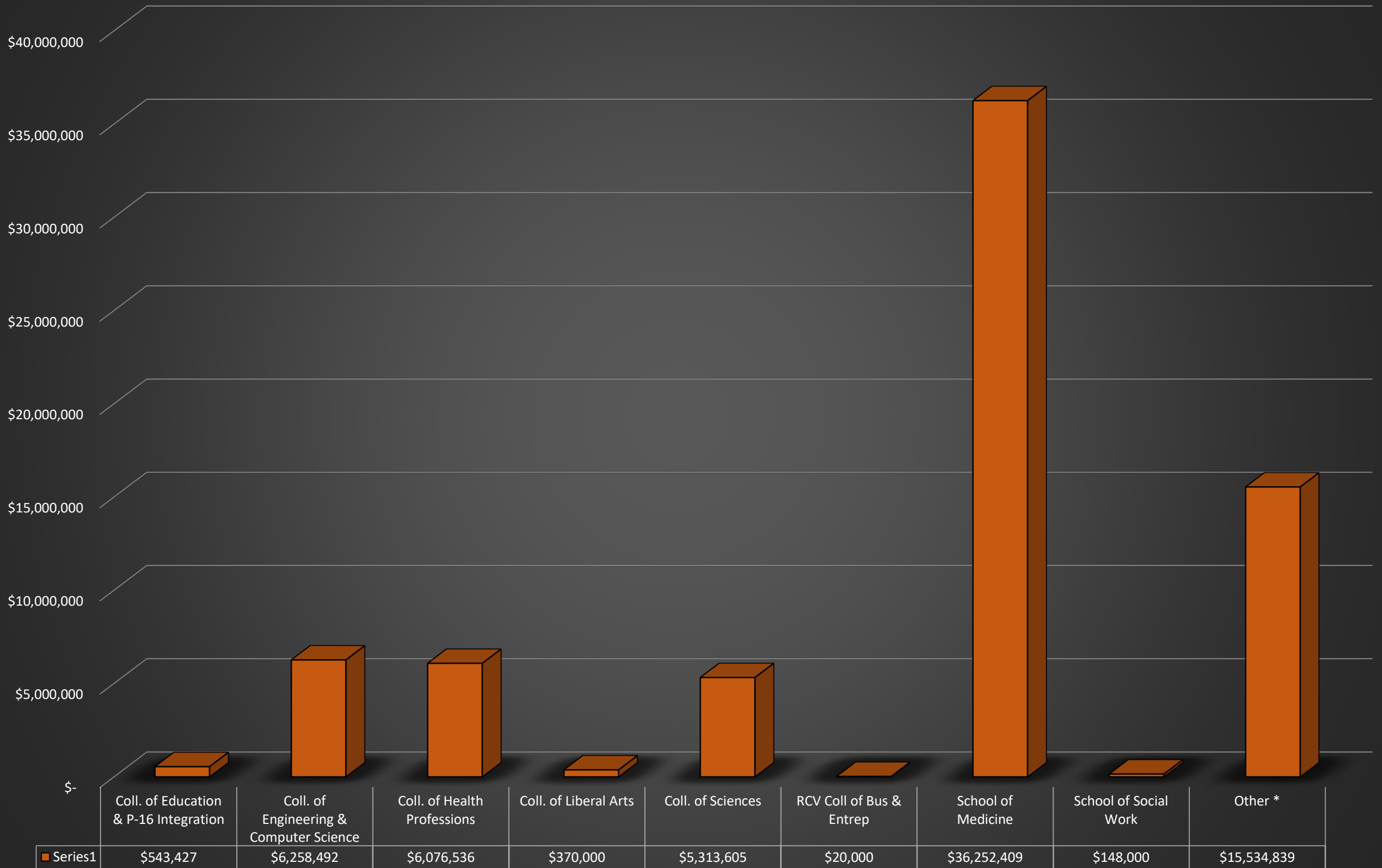
### Research Expenditures - **Restricted** - By Division



**The University of Texas Rio Grande Valley  
Proposal Submission by Division/College/School**

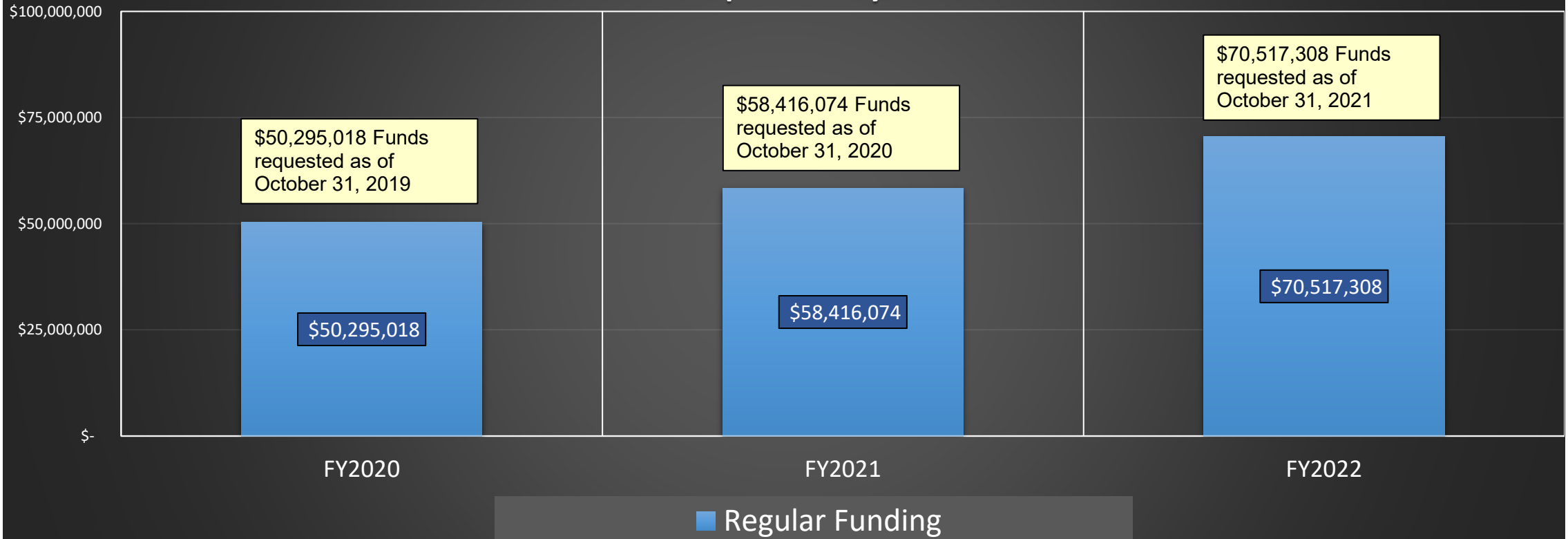
<b>Unit</b>	<b>OCT - FY2022</b> <i>Oct 1, 2021 - Oct 31, 2021</i>		<b>FY2022 - YTD</b> <i>Sep 1, 2021 - Oct 31, 2021</i>	
	Count	Amount Requested	Count	Amount Requested
<b>Governmental &amp; Community Relations</b>	1	\$ 330,000	1	\$ 330,000
<b>Health Affairs</b>				
<i>School of Medicine</i>	13	\$ 20,095,906	28	\$ 36,252,409
<b>Provost - Academic Affairs</b>				
<i>College of Education &amp; P-16 Integration</i>	1	\$ 244,791	5	\$ 543,427
<i>College of Engineering &amp; Computer Science</i>	3	\$ 549,972	13	\$ 6,258,492
<i>College of Health Professions</i>	2	\$ 3,076,536	3	\$ 6,076,536
<i>College of Liberal Arts</i>	1	\$ 370,000	1	\$ 370,000
<i>College of Sciences</i>	9	\$ 3,480,291	19	\$ 5,313,605
<i>Robert C. Vackar College of Business &amp; Entrepreneurship</i>			1	\$ 20,000
<i>School of Social Work</i>	1	\$ 148,000	1	\$ 148,000
<b>Research, Graduate Studies &amp; New Program</b>			1	\$ 15,154,839
<b>Strategic Enrollment and Student Affairs</b>	1	\$ 25,000	1	\$ 25,000
<b>Student Success</b>	1	\$ 25,000	1	\$ 25,000
<b>Grand Total</b>	<b>33</b>	<b>\$ 28,345,496</b>	<b>75</b>	<b>\$ 70,517,308</b>

## Proposal Submission - Funds Requested By College & Schools September 1, 2021 to October 31, 2021

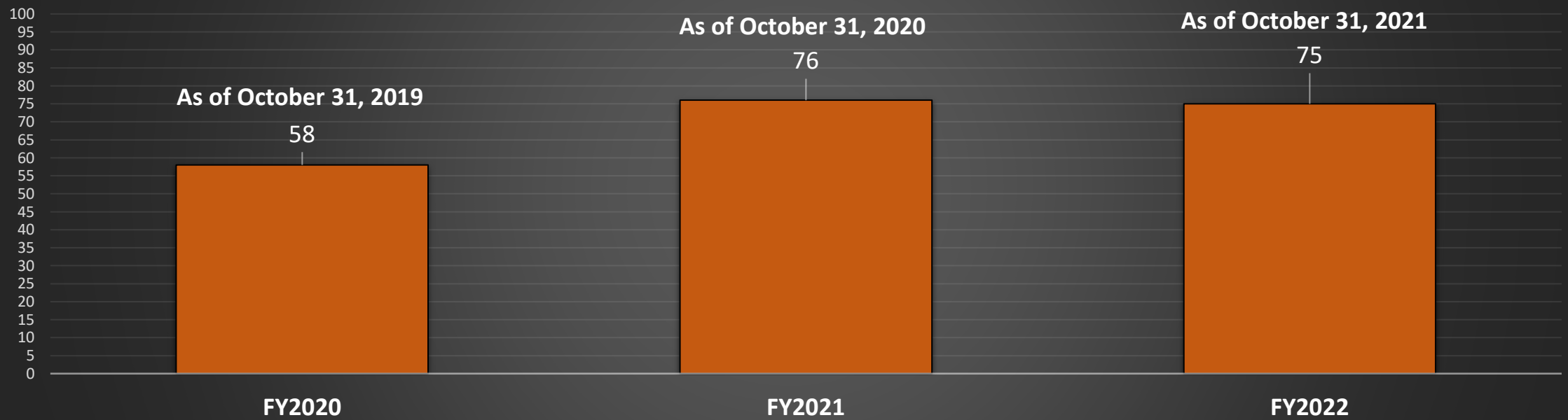


\* This category is composed of Non-College Areas such as the Division of Research & New Program Development, Governmental & Community Relations and Strategic Enrollment & Student Affairs

### Funds Requested By Fiscal Year



### Proposals - Number of Proposals Submitted - By Fiscal Year



The numbers represented in the charts above include amounts since the start of the fiscal year up to the date represented in each column.

**The University of Texas Rio Grande Valley**  
**Proposals submitted in October**

Division	College/School	Department	PI Name	Project Title	Agency/Sponsor Name	Total
Governmental & Community Relations	-	Economic Development	Ufland, Linda	2021 American Rescue Plan Act Build Back Better Regional Challenge	U.S. Economic Development Administration	\$ 330,000
Health Affairs	School of Medicine	Human Genetics	Blangero, John	Shared Genetic and Environmental Influences on Age-Related Hearing Loss, Cognitive Decline, and Dementia Risk	National Institutes of Health (NIH) UT Health Science Center San Antonio (UTHSCSA)/National Institutes of Health (NIH)	\$ 1,928,243
Health Affairs	School of Medicine	Human Genetics	Kos, Mark	Baboon Model of Genetic Generalized Epilepsy: Evaluation of Biomarkers for Epileptogenesis	National Institutes of Health (NIH)	\$ 252,567
Health Affairs	School of Medicine	Human Genetics	Mummidi, Srinivas	Metabolic signatures of T2D risk in HIV-1 Infected Mexican Americans on Antiretroviral Therapy	National Institutes of Health (NIH)	\$ 3,462,308
Health Affairs	School of Medicine	Immunology and Microbiology	Chauhan, Subhash	Influence of Socio-behavioral Factors on Molecular Determinants of HCC Disparity	National Institutes of Health (NIH)	\$ 3,721,624
Health Affairs	School of Medicine	Immunology and Microbiology	Jaggi, Meena	Multi-level Socio-behavioral Intervention Strategies for Chronic Liver Diseases	National Institutes of Health (NIH)	\$ 3,665,531
Health Affairs	School of Medicine	Immunology and Microbiology	Jaggi, Meena	Novel Nano-Bryostatin-1 Formulation for Chemoresistant Prostate Cancer	National Institutes of Health (NIH)	\$ 444,000
Health Affairs	School of Medicine	Immunology and Microbiology	Jaggi, Meena	Novel therapeutic strategy for the treatment of metastatic castration resistant prostate cancer	National Institutes of Health (NIH)	\$ 1,892,812
Health Affairs	School of Medicine	Immunology and Microbiology	Jaggi, Meena	Protein Kinase D1 in Prostate Cancer Health Disparity	National Institutes of Health (NIH)	\$ 1,850,000
Health Affairs	School of Medicine	Immunology and Microbiology	Tripathi, Manish	Molecular Mechanisms of stress induced colorectal cancer progression	National Institutes of Health (NIH)	\$ 444,000
Health Affairs	School of Medicine	Immunology and Microbiology	Yallapu, Murali	Fluorescent Probe for Detection and Image-Guided Surgery	National Institutes of Health (NIH)	\$ 1,850,000
Health Affairs	School of Medicine	Internal Medicine	Dentino, Andrew	South Central Faculty Development Alliance for Clinical and Translational Research	National Institutes of Health (NIH)	\$ 209,821
Health Affairs	School of Medicine	Molecular Science	Correa, Genaro Ramirez	Abnormal Crosstalk between O-GlcNAcylation and Phosphorylation in Kinase Regulation as a Mechanism of Glucose Toxicity in Diabetic Retinopathy	National Institutes of Health (NIH)	\$ 370,000
Health Affairs	School of Medicine	Pediatrics	Madrigal, Karina	Better Teachers Better Healthcare for Historically Underserved Hispanics at the Border: MedEd Teaching Certificate Program	The University of Texas Kenneth I. Shine, M.D., Academy of Health Science Education	\$ 5,000
Provost - Academic Affairs	College of Education & P-16 Integration	Teaching & Learning	Chapman, Angela	SABES: Spanish as a Bridge for Exceptional Success for Latinx Middle School Students	Private/Foundation	\$ 244,791



**The University of Texas Rio Grande Valley**  
**Proposals submitted in October**

Division	College/School	Department	PI Name	Project Title	Agency/Sponsor Name	Total
Provost - Academic Affairs	College of Engineering & Computer Science	Civil Engineering	Kim, Jongmin	Nano Filtration	U.S. Environmental Protection Agency	\$ 25,000
Provost - Academic Affairs	College of Engineering & Computer Science	Mechanical Engineering	Ashraf, Ali	Wettability of reservoir rocks using environmental scanning electron microscopy and thermography	Private/Foundation	\$ 55,000
Provost - Academic Affairs	College of Engineering & Computer Science	Railway Safety Center	Tarawneh, Constantine	Racial Equity: Lead Hispanic/Latino/a/x Engineering Success: Learning and Development Communities for Hispanic/	University of Lincoln Nebraska/ NSF	\$ 469,972
Provost - Academic Affairs	College of Health Professions	Communication Disorders	Mishra, Sri	Extended High Frequency Hearing Impairment in Children	Private/Foundation	\$ 14,660
Provost - Academic Affairs	College of Health Professions	Health & Biomedical Sciences	Lopez-Juarez, Alejandro	Origin of Myelin-Regulated Subnormal Learning Curves in Neurofibromatosis Type 1	National Institutes of Health (NIH)	\$ 3,061,876
Provost - Academic Affairs	College of Liberal Arts	Psychological Science	Gil, Mario	Contribution of the blood-brain barrier to effects of serotonin on the developing brain and on behavior later in life	National Institutes of Health (NIH)	\$ 370,000
Provost - Academic Affairs	College of Sciences	Biology	Hills, Spencer	Seasonal host selection in Rio Grande Valley WNV vectors	Private/Foundation	\$ 1,000
Provost - Academic Affairs	College of Sciences	Biology	Jia, Ying	Identifying the Interactions between Animal Toxins and Human nAChRs: The Role of Snake PLA2 in Interacting with nAChR alpha Subunits	National Institutes of Health (NIH)	\$ 349,647
Provost - Academic Affairs	College of Sciences	Biology	Kariyat, Rupesh	Optimizing pollination efficacy of specialty crops of varying nutritional quality	Texas Department of Agriculture	\$ 249,232
Provost - Academic Affairs	College of Sciences	Biology	Sahoo, Nirakar	Unraveling of the mechanistic role of lysosomes in Erythrophagocytosis.	National Institutes of Health (NIH)	\$ 1,850,000
Provost - Academic Affairs	College of Sciences	Chemistry	Chen, Haoyuan	Quantification of Enhanced Chemical Reactivity in Metal-Organic Framework (MOF) Materials	Private/Foundation	\$ 55,000
Provost - Academic Affairs	College of Sciences	Chemistry	Parsons, Jason	Electrocatalytic Removal of Sulfur from model fuels	Private/Foundation	\$ 70,000
Provost - Academic Affairs	College of Sciences	Chemistry	Shoshani, Manar	Meta-Selective C-H Functionalization of N-Heterocycles Mediated by Well-Defined Co-Lewis Acid Architectures	Private/Foundation	\$ 55,000
Provost - Academic Affairs	College of Sciences	Mathematical & Statistical Sci	Kronholm, Brandt	Ramanujan's ranks, mock theta functions, and beyond. (II)	National Security Agency	\$ 15,600
Provost - Academic Affairs	College of Sciences	Sch of Earth Env & Marine Sci	Racelis, Alexis	Conservation, Community, and Equity in Food and Agriculture in the Rio Grande Valley (CEFAIR)	U.S. Department of Agriculture	\$ 834,812



**The University of Texas Rio Grande Valley**  
**Proposals submitted in October**

Division	College/School	Department	PI Name	Project Title	Agency/Sponsor Name	Total
Provost - Academic Affairs	School of Social Work	School of Social Work	Rawwad, Tamara Al	The Role of Pharmacists in the Provision of Medications for Opioid Use Disorder (MOUD) Treatment in the U.S.	National Institutes of Health (NIH)	\$ 148,000
Strategic Enrollment and Student Affairs	-	Stud Rights & Responsibilities	Stoves, Douglas	Student Food Pantry outreach and community education project	Private/Foundation	\$ 25,000
Student Success	-	Ofc of Student Success	DeLeon, Mauricio	Career Readiness Program	Private/Foundation	\$ 25,000
<b>Grand Total</b>						<b>\$ 28,345,496</b>

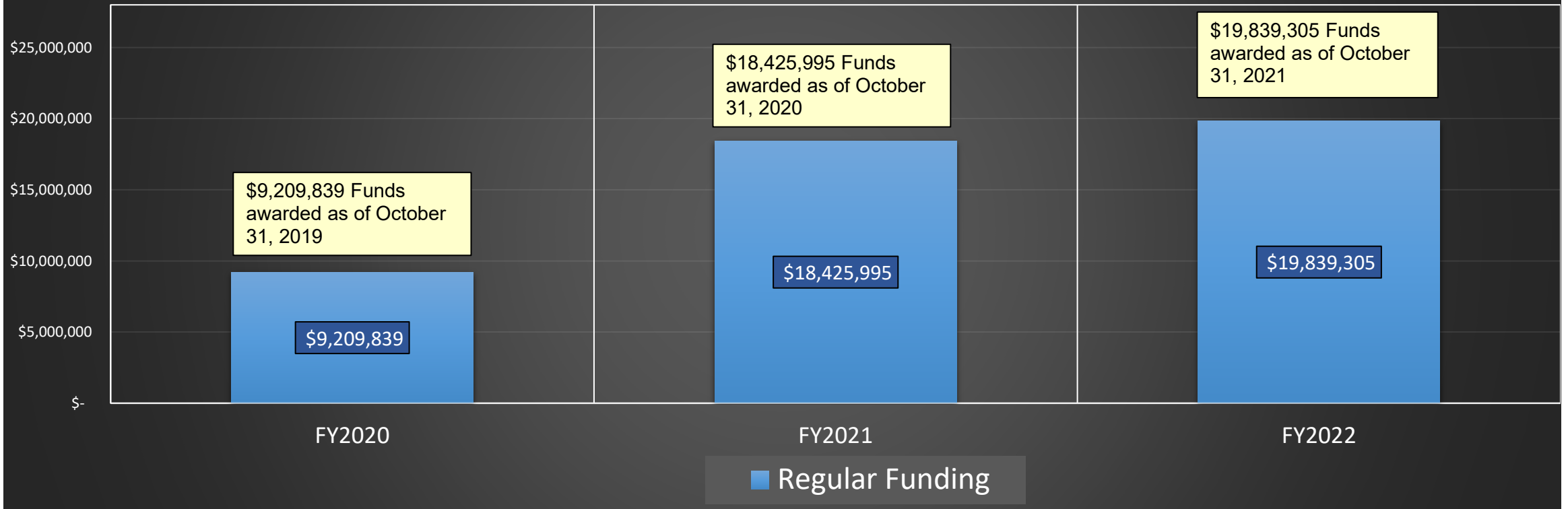
**The University of Texas Rio Grande Valley**  
**Proposal Submission by College/School - Monthly**

Unit	SEP - FY2022		OCT - FY2022		FY 2022 - YTD	
	Count	Amount Requested	Count	Amount Requested	Count	Amount Requested
<b>Governmental &amp; Community Relations</b>	0	\$ -	1	\$ 330,000	1	\$ 330,000
<b>Health Affairs</b>						
<i>School of Medicine</i>	15	\$ 16,156,503	13	\$ 20,095,906	28	\$ 36,252,409
<b>Provost - Academic Affairs</b>						
<i>College of Education &amp; P-16 Integration</i>	4	\$ 298,636	1	\$ 244,791	5	\$ 543,427
<i>College of Engineering &amp; Computer Science</i>	10	\$ 5,708,520	3	\$ 549,972	13	\$ 6,258,492
<i>College of Health Professions</i>	1	\$ 3,000,000	2	\$ 3,076,536	3	\$ 6,076,536
<i>College of Liberal Arts</i>	0	\$ -	1	\$ 370,000	1	\$ 370,000
<i>College of Sciences</i>	10	\$ 1,833,314	9	\$ 3,480,291	19	\$ 5,313,605
<i>Robert C. Vackar College of Business &amp; Entrepreneurship</i>	1	\$ 20,000	0	\$ -	1	\$ 20,000
<i>School of Social Work</i>	0	\$ -	1	\$ 148,000	1	\$ 148,000
<b>Research, Graduate Studies &amp; New</b>	1	\$ 15,154,839	0	\$ -	1	\$ 15,154,839
<b>Strategic Enrollment and Student Affairs</b>	0	\$ -	1	\$ 25,000	1	\$ 25,000
<b>Student Success</b>	0	\$ -	1	\$ 25,000	1	\$ 25,000
<b>Grand Total</b>	<b>42</b>	<b>\$ 42,171,812</b>	<b>33</b>	<b>\$ 28,345,496</b>	<b>75</b>	<b>\$ 70,517,308</b>

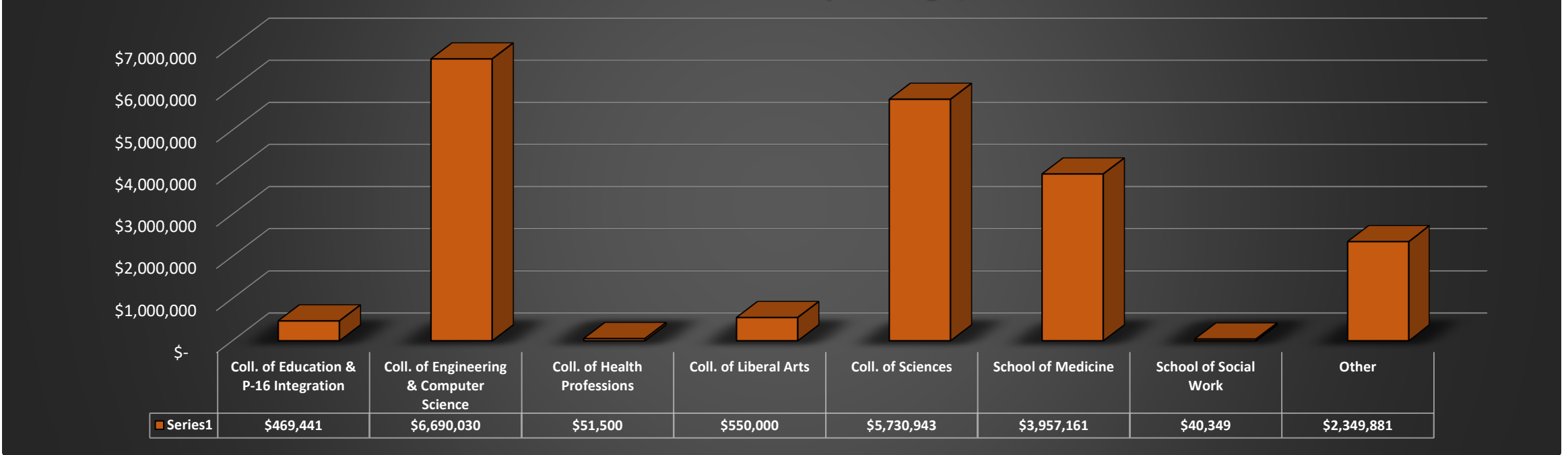
## The University of Texas Rio Grande Valley Awards by Schools/Colleges

Unit	OCT - FY2022 <i>Oct 1, 2021 - Oct 31, 2021</i>		FY2022 - YTD <i>Sep 1, 2021 - Oct 31, 2021</i>	
	Count	Funds Awarded	Count	Funds Awarded
<b>Governmental &amp; Community Relations</b>	2	\$ 395,340	4	\$ 442,033
<b>Health Affairs</b>				
<i>School of Medicine</i>	4	\$ 2,928,163	7	\$ 3,957,161
<b>President</b>	1	\$ 50,000	1	\$ 50,000
<b>Provost - Academic Affairs</b>				
Provost - Academic Affairs (Non College)	0	\$ -	1	\$ 25,000
<i>College of Education &amp; P-16 Integration</i>	1	\$ 111,961	2	\$ 469,441
<i>College of Engineering &amp; Computer Science</i>	1	\$ 606,792	3	\$ 6,690,030
<i>College of Health Professions</i>	1	\$ 20,000	4	\$ 51,500
<i>College of Liberal Arts</i>	1	\$ 550,000	1	\$ 550,000
<i>College of Sciences</i>	6	\$ 627,847	11	\$ 5,730,943
<i>School of Social Work</i>	1	\$ 40,349	1	\$ 40,349
<b>Research, Graduate Studies &amp; New Program Development</b>	2	\$ 374,284	5	\$ 1,510,076
<b>Strategic Enrollment &amp; Student Affairs</b>	2	\$ 212,430	4	\$ 322,772
<b>Grand Total</b>	<b>22</b>	<b>\$ 5,917,166</b>	<b>44</b>	<b>\$ 19,839,305</b>

## Funds Awarded by Fiscal Year



## FY 22 Funds Awarded by College/Schools



The numbers represented in the charts above include amounts since the start of the fiscal year up to the date represented in each column.

**The University of Texas Rio Grande Valley**  
**Awards received in October**

Division	College/School	Department	PI Name	Award Title	Sponsor	Type of Project	Total
Governmental and Community Relations	-	Business Development	Juarez-Serna, Maria	SBDC COVID Business Recovery Accelerator (COBRA)	University of Texas at San Antonio	Amendment	\$ 10,000
Governmental and Community Relations	-	Business Development	Juarez-Serna, Maria	Small Business Development Center	University of Texas at San Antonio	New Award	\$ 385,340
Health Affairs	School of Medicine	Immunology and Microbiology	Chauhan, Subhash	Integrated Cancer Research Core (ICRC)	Cancer Prevention & Research Institute of Texas	New Award	\$ 2,525,000
Health Affairs	School of Medicine	Obstetrics & Gynecology	De Los Santos, Denise	Expanding a successful postpartum HPV vaccination project to women in the Rio Grande Valley	UT Medical Branch at Galveston	New Award	\$ 135,732
Health Affairs	School of Medicine	Otolaryngology-Head and Neck S	Giese, Rachel	Mobile Imaging for Oral Cancer Screening Programs in Rural U.S. Settings	William Marsh Rice University	New Award	\$ 17,436
Health Affairs	School of Medicine	Pediatrics	Nelson, Robert	Control & prevent the spread of Sexually Transmitted Diseases (STDs)	Department of State Health Services	New Award	\$ 249,995
President	-	Strategic Analy & Inst Rprtng	Brown, Susan	Reporting Modernization Grant	Texas Higher Education Coordinating Board	New Award	\$ 50,000
Provost - Academic Affairs	College of Education and P-16 Integration	Human Devt & School Services	Medrano, Hilda	American Rescue Plan	U.S. Department of Health and Human Services	New Award	\$ 111,961
Provost - Academic Affairs	College of Engineering & Computer Science	Electrical & Computer Engineer	Zhou, Yong	GAANN Fellowships in Electrical and Computer Engineering at University of Texas Rio Grande Valley	U.S. Department of Education	New Award	\$ 606,792
Provost - Academic Affairs	College of Health Professions	Rehab Srvs & Counseling	Mercado, Fidencio	Addiction Technology Transfer Center HHS REGION 6	University of Texas at Austin	Amendment	\$ 20,000
Provost - Academic Affairs	College of Liberal Arts	Philosophy	Jones, Cynthia	Texas Stalking Project	U.S. Department of Justice	New Award	\$ 550,000
Provost - Academic Affairs	College of Sciences	Biology	Dearth, Robert	FY22 JAMP Biology	University of Texas System Admin Office	New Award	\$ 21,247
Provost - Academic Affairs	College of Sciences	Biology	Sahoo, Nirakar	Emerging role of heme degradation products in the modulation of cardiac ion channels	National Institute of General Medical Sciences	Budget Revision	\$ 8,100
Provost - Academic Affairs	College of Sciences	Chemistry	Uddin, Mohammed	Integrated Additive Manufacturing Establishing Minority Pathways: Opportunities for Workforce-development in Energy Research and Education (IAM-EMPOWERED)	U.S. Department of Energy	New Award	\$ 400,000
Provost - Academic Affairs	College of Sciences	Chemistry	Uddin, Mohammed	The Welch Foundation Project	The Welch Foundation	New Award	\$ 150,000

Division	College/School	Department	PI Name	Award Title	Sponsor	Type of Project	Total
Provost - Academic Affairs	College of Sciences	Sch of Earth Env & Marine Sci	Cabo-Fierro, Alejandro	Sabal Palm Thornforest Restoration Research	The Nature Conservancy	New Award	\$ 37,000
Provost - Academic Affairs	College of Sciences	Sch of Earth Env & Marine Sci	Choudhury, Robin	NPDN Analysis - Identifying Diagnostic Capacity by Network Analysis of Inter-state Sample Traffic	U.S. Department of Agriculture	New Award	\$ 11,500
Provost - Academic Affairs	School of Social Work	School of Social Work	Al Rawwad, Tamara	Expansion of Interprofessional Substance Use Disorders Education Among Pharmacy and Medical Students (Prac-Ed-SUD-PM)	Substance Abuse and Mental health Services Administration	New Award	\$ 40,349
Research, Graduate Studies and New Program Development	-	Sustainable Agr & Rural Advncmt	Cain, Colin	2021 Rural Cooperative Development Grant	U.S. Department of Agriculture	New Award	\$ 199,370
Research, Graduate Studies and New Program Development	-	Sustainable Agr & Rural Advncmt	Cruz Reyes, Aisha	2021 Socially Disadvantaged Group Grant	U.S. Department of Agriculture	New Award	\$ 174,914
Strategic Enrollment and Student Affairs	-	Financial Aid	Ozuna, Elias	UTRGV AmeriCorps Program - American Rescue Plan	OneStar Foundation	Additional Funds	\$ 200,430
Strategic Enrollment and Student Affairs	-	Scholarships & Enrollment Comm	Garcia, Brenda	IME Becas 2021 – Brownsville	Consulate of Mexico in Brownsville	New Award	\$ 12,000
<b>Grand Total</b>							<b>\$ 5,917,166</b>

The University of Texas Rio Grande Valley  
Awards by Schools/Colleges - Monthly

Unit	SEP - FY2022		OCT - FY2022		FY 2022 - YTD	
	Count	Funds Awarded	Count	Funds Awarded	Count	Funds Awarded
<b>Governmental &amp; Community Relations</b>	2	\$ 46,693	2	\$ 395,340	4	\$ 442,033
<b>Health Affairs</b>						
<i>School of Medicine</i>	3	\$ 1,028,998	4	\$ 2,928,163	7	\$ 3,957,161
<b>President</b>	0	\$ -	1	\$ 50,000	1	\$ 50,000
<b>Provost - Academic Affairs</b>						
Provost - Academic Affairs (Non College)	1	\$ 25,000	0	\$ -	1	\$ 25,000
<i>College of Education &amp; P-16</i>	1	\$ 357,480	1	\$ 111,961	2	\$ 469,441
<i>College of Engineering &amp; Computer Science</i>	2	\$ 6,083,238	1	\$ 606,792	3	\$ 6,690,030
<i>College of Health Professions</i>	3	\$ 31,500	1	\$ 20,000	4	\$ 51,500
<i>College of Liberal Arts</i>	0	\$ -	1	\$ 550,000	1	\$ 550,000
<i>College of Sciences</i>	5	\$ 5,103,096	6	\$ 627,847	11	\$ 5,730,943
<i>School of Social Work</i>	0	\$ -	1	\$ 40,349	1	\$ 40,349
<b>Research, Graduate Studies &amp; New</b>	3	\$ 1,135,792	2	\$ 374,284	5	\$ 1,510,076
<b>Strategic Enrollment &amp; Student Affairs</b>	2	\$ 110,342	2	\$ 212,430	4	\$ 322,772
<b>Grand Total</b>	<b>22</b>	<b>\$ 13,922,139</b>	<b>22</b>	<b>\$ 5,917,166</b>	<b>44</b>	<b>\$ 19,839,305</b>



FY2022 Awards Funded - By Funding Source  
September 1, 2021 - October 31, 2021

